

Water-Data Report 2008

**350337083254402 Local number MA-073, NCDENR Coweeta Research Station, MW-1I near Otto, NC
(Transition Zone)**

Piedmont and Blue Ridge crystalline-rock aquifers
Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°03'36.5", long 83°25'43.9" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 3.0 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 45 ft. Upper casing diameter 4 in; top of first opening 39 ft, bottom of last opening 44 ft.

DATUM.--Land-surface datum is 2,230.01 ft above North American Vertical Datum of 1988. Measuring point: top of steel casing, 2.91 ft above land-surface datum, October 8, 2006, to present.

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Measured periodically with electric and steel tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.75 ft below land-surface datum, March 5, 2008; lowest water level measured, 8.53 ft below land-surface datum, July 21, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	8.06	Apr 24, 2008	7.38
Jan 24, 2008	7.17	May 29	7.93
Mar 5	6.75	Jul 21	8.53
25	7.53	Sep 30	8.49

Highest: 6.75 Mar 05, 2008

Lowest: 8.53 Jul 21, 2008

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